

# Vision Systems Illuminate Industrial Processes



## *Marshall Space Flight Center*

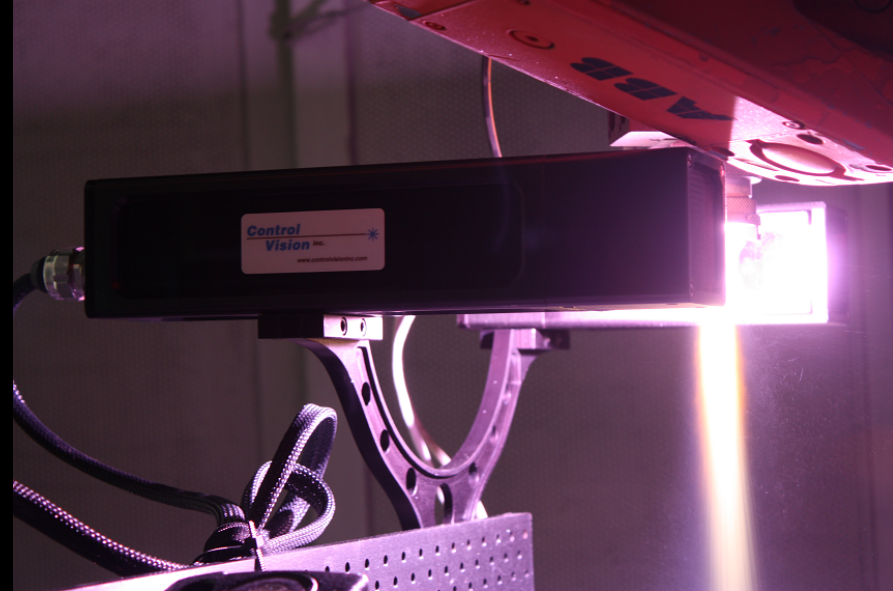
***Control Vision Inc.  
Sahuarita, AZ***

### **NASA Technology**

- ◆ During manufacturing processes such as arc welding and thermal coating, it's difficult to see the process while it's happening because of all the bright glare produced in the process.
- ◆ Marshall was looking for a viewing technology that could cut through the glare.

### **Technology Transfer**

- ◆ Control Vision, through Small Business Innovation Research (SBIR) funding, developed video sensor systems that use specialized illumination to overcome process light.
- ◆ The company has sensors that can overcome light associated with laser, plasma spray, fiberglass spinning, and continuous casting processes.



### **Benefits**

- ◆ Three products have their origins in the company's NASA work: the LaserStrobe system, SprayCam system, and the Pyrocam—all designed to overcome process light.
- ◆ An important next step is using the technology to help 3D printing programs make adjustments during the manufacturing process.